Assignment 8.2

The number of students who scored less than 5(50%).

Loading th data

r1 = load '/dataset.csv' using PigStorage(',') as (Name:chararray,col\_Undertaken:chararray,Dob:chararray,Stream:chararray,Grade:chararray,State:chararray,City:chararray);

relation to find student who score less than 50 percent

r2 = filter r1 by Grade < 5.0F;

r3 = group r2 all;

r4 = foreach r3 generate COUNT (r2.name);

dump r4;

RESULT



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The name of students who are from Alaska.

relation to find students who are from Alaska

r2 = filter r1 by State == 'Alaska';

r3 = group r2 by Name;

r4 = foreach r3 generate flatten(r2.name);

dump r4;

RESULT



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No of govt colleges in Alabama

using the previous relation r1 filtering the goverenment college and performing the count function after grouping

a = filter r1 by (col\_Undertaken == 'goverenment' AND State == 'Alabama');

b = group a by col\_Undertaken;

c= foreach b Generate COUNT(a.col\_Undertaken);

dump c;

RESULT



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The name of students who are from Oregon and pursuing BE.

a = filter r1 by ($3 == 'BE' AND State == 'Oregon');

b = group a by $3;

c= foreach b Generate (a.name);

dump c;

RESULT

